

What is claimed is:

1. A lie-down massager, comprising:

- a) a base frame having an elongated top panel,
wherein an elongated top opening is formed
centrally and lengthwise through the elongated
top panel;
- b) a rider provided below the elongated top panel
of the base frame;
- c) a guide member movably engaged between the base
frame and the rider so as to enable the rider
to make a horizontally reciprocal movement
relative to the base frame;
- d) a lifter;
- e) one or more air shock absorbers; and
- f) massage bumps attached on the lifter via the
air shock absorbers and moved by the lifter
vertically and/or horizontally along the
elongated top opening of the elongated top
panel of the base frame.

2. The lie-down massager of claim 1 further comprising
a pad covering the massage bumps and the elongated
top opening of the base frame.

3. The lie-down massager of claim 1 wherein the massage bumps are partitioned to first and second pairs, wherein the first pair bumps are aligned parallel to the second pair bumps.

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4. The lie-down massager of claim 3 further comprising:

- a) first and second bump holders propping and maintaining the first and second pair bumps above the top plate of the lifter, wherein the first and second bump holders are tapered toward each lower end thereof; and
- b) a first engagement member to rockingly engage the lower ends of the bump holders to the top plate of the lifter.

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5. The lie-down massager of claim 4 further comprising a second engagement member to rollingly engage the massage bumps thereto.

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6. The lie-down massager of claim 4 wherein the massage bumps are roller balls.

7. The lie-down massager of claim 6 wherein the roller balls are formed of jade.

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8. The lie-down massager of claim 1 wherein each of the
massage bumps includes a heater.

9. The lie-down massager of claim 8 wherein the heater
5 is a heating lamp generating heat and infrared rays.

10. The lie-down massager of claim 1 wherein the guide
member comprises:

a) one or more roller gear engaged to and powered
10 by a roller gear motor, wherein the roller gear
motor is fixed to the rider; and

b) one or more side rack gears parallel to each
other and provided lengthwise in the base
frame;

15 wherein the roller gears are rollably connected to
the rider and rotatably mounted on the side rack
gears.

11. The lie-down massager of claim 1 wherein the guide
20 member comprises:

a) rider guide rollers provided on each side of
the rider, wherein the rider guide rollers are
rollably engaged to the base frame to guide a
horizontally reciprocal movement of the rider;

b) a pair of pulleys linked by a rope and
 respectively mounted in a front end portion and
 a rear end portion of the base frame, wherein a
 predetermined portion of the rope is fixedly
 5 attached to the rider so that the pulley
 rotation enables the rider to generate a
 horizontally reciprocal movement of the rider.

12. The lie-down massager of claim 11 wherein the
 10 pulleys are relatively twisted by 90 degrees against
 each other.

13. The lie-down massager of claim 1 further comprising:
 a) a pair of roller coasters parallel to each
 15 other, wherein the roller coasters are attached
 to the base frame, wherein each of the roller
 coasters has a substantially waved top surface;
 and
 b) coaster guide rollers formed outwardly
 20 extending from each side of the lifter, wherein
 the coaster guide rollers enable the lifter to
 make a roller coasting movement on and along
 the waved top surfaces of the roller coasters.

14. The lie-down massager of claim 13 wherein each of the waved top surfaces of the roller coasters substantially forms a curvature of a human spinal cord.
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15. The lie-down massager of claim 13 wherein the lifter further comprises a plurality of elongated guides extending downward from the lifter, and the rider further comprises a plurality of guide bushes
- 10 upwardly formed on the rider to releasably receive the elongated guides so as to stabilize the roller coasting movement of the lifter along the roller coasters.
- 15 16. The lie-down massager of claim 15 wherein the elongated guides are shaped in pins.
17. The lie-down massager of claim 1 wherein the lifter comprises a top plate, a bottom plate, a vertical
- 20 actuator that moves the top plate up and down.
18. The lie-down massager of claim 17 further comprising a massage plate, wherein the massage bumps are installed on the massage plate, and the air shock

absorbers are vertically installed between the
massage plate and the top plate.

19. The lie-down massager of claim 18 wherein each of
5 the air shock absorbers has a hollow cylinder, a
plunger that is moved reciprocally in the cylinder,
a shaft fixed to the plunger and protruding out of
the cylinder and a bracket, wherein the free end of
the shaft is shaped as a ball, and the bracket has a
10 semi-spherical recess so that so that the end of the
shaft and the recess of the bracket form a ball and
socket joint, and wherein the cylinder is fixed to
the top plate, and the bracket is fixed to the
massage plate.

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20. The lie-down massager of claim 19 wherein the number
of the air shock absorbers is four, wherein the top
plate is rectangular, and wherein the air shock
absorbers are positioned near the four corners of
20 the top plate.

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